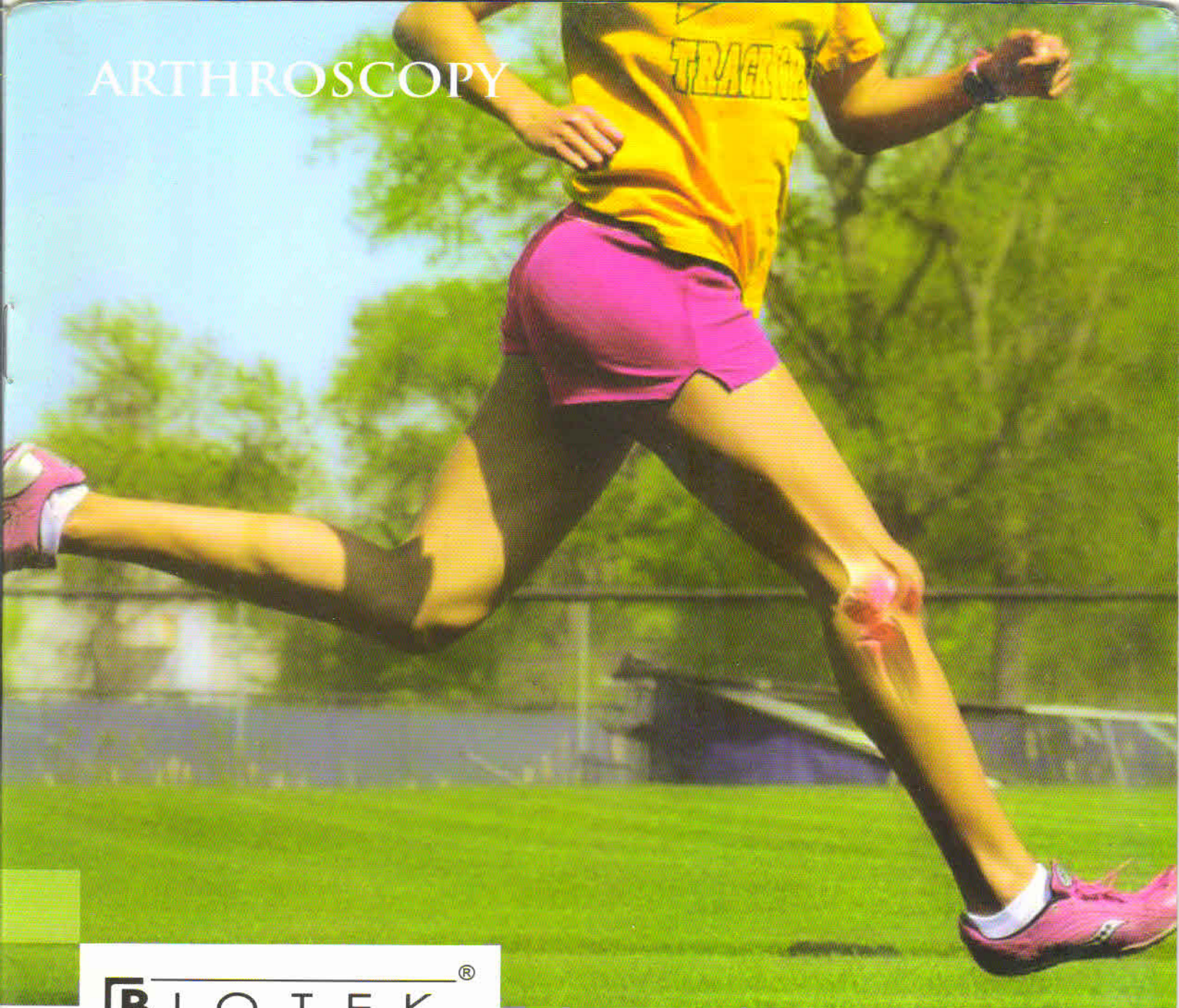


ARTHROSCOPY



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KNEE

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KNEE ARTHROSCOPY

Biotek offers a complete line of knee arthroscopy products working in conjunction with some of the industry's most innovative surgeons. We focus our research and development efforts on technique-specific devices for Cruciate and Meniscal Reconstruction and repair systems, Graft Harvesting, Tunnel Preparation, Implants as well as Meniscal associated accessories.

IMPLANTS

Onbutton CL

- Solid fixation for either primary or auxiliary fixation in ACL or PCL reconstruction.
- Continuous loop of suture braid eliminates the need for knot tying. Ideal for a post or screw and washer technique.
- Distal fixation allows circumferential healing of the ACL graft to tunnel wall.
- Significantly enhances soft tissue apposition to bone to speed healing and strengthen the repair.

- BAK-7001C.12 - 12mm
- BAK-7001C.15 - 15mm
- BAK-7001C.20 - 20mm

- BAK-7001C.25 - 25mm
- BAK-7001C.30 - 30mm

- BAK-7001C.35 - 35mm
- BAK-7001C.40 - 40mm

SOFTFIX-PK Interference screws, cannulated

- SOFTFIX-PK Interference Screws provide strong mechanical fixation for both bone patellar tendon-bone (BTB) and soft tissue grafts in ACL and PCL reconstruction.
- SOFTFIX-PK Interference Screws feature a thread pattern that allows for a simple surgical technique, with minimal tunnel preparation.
- Non-absorbable SOFTFIX-PK interference screw incorporates PEEK-VESTAKEEP polymer from Evonik®.
- PEEK-VESTAKEEP® material exhibits an ideal combination of strength, stiffness and toughness which surpasses absorbable materials.
- PEEK (Poly-Ether-Ether-Ketone) is a thermoplastic material with excellent biocompatibility and biostability characteristics as per ASTM F2026.
- SOFTFIX-PK interference screws offer the revision ability of an absorbable screw.
- PEEK has inherent radiolucent characteristics that have widely gained confidence and acceptance in the medical community.

BAK-7165.23	SOFTFIX-PK Interference screw, cannulated, Dia. 6 .0mm x Len. 23mm, PEEK, Sterile
BAK-7166.23	SOFTFIX-PK Interference screw, cannulated, Dia. 7 .0mm x Len. 23mm, PEEK, Sterile
BAK-7166.28	SOFTFIX-PK Interference screw, cannulated, Dia. 7 .0mm x Len. 28mm, PEEK, Sterile
BAK-7167.23	SOFTFIX-PK Interference screw, cannulated, Dia. 8 .0mm x Len. 23mm, PEEK, Sterile
BAK-7167.28	SOFTFIX-PK Interference screw, cannulated, Dia. 8 .0mm x Len. 28mm, PEEK, Sterile
BAK-7168.23	SOFTFIX-PK Interference screw, cannulated, Dia. 9 .0mm x Len. 23mm, PEEK, Sterile
BAK-7168.28	SOFTFIX-PK Interference screw, cannulated, Dia. 9 .0mm x Len. 28mm, PEEK, Sterile
BAK-7169.28	SOFTFIX-PK Interference screw, cannulated, Dia. 10 .0mm x Len. 28mm, PEEK, Sterile
BAK-7169.35	SOFTFIX-PK Interference screw, cannulated, Dia. 10 .0mm x Len. 35mm, PEEK, Sterile
BAK-7170.35	SOFTFIX-PK Interference screw, cannulated, Dia. 11 .0mm x Len. 35mm, PEEK, Sterile

SOFTFIX Interference screws, cannulated

- Specifically designed for endoscopic femoral fixation where graft protection is needed.
- Polished, fully radiused threads provide maximum graft protection.
- Wide-bore cannulation for easy guide wire removal.
- The Taper-Tip style offers sharper initiating threads and a more pronounced taper for faster, easier insertion.
- Designed to reduce the possibility of bone plug migration during placement.
- Round head reduces possibility of graft damage during or after implantation.
- Universal screw for either tibial or femoral applications. Standard 4.5mm hex for easy insertion and removal.
- Cannulated for use with a guide wire.
- Material - Titanium alloy.

- BAK-7128.20S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 7 .0mm x Len. 20mm, Titanium, Sterile
- BAK-7128.25S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 7 .0mm x Len. 25mm, Titanium, Sterile
- BAK-7128.30S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 7 .0mm x Len. 30mm, Titanium, Sterile
- BAK-7101.20S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 8 .0mm x Len. 25mm, Titanium, Sterile
- BAK-7101.25S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 8 .0mm x Len. 25mm, Titanium, Sterile
- BAK-7101.30S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 8 .0mm x Len. 30mm, Titanium, Sterile
- BAK-7102.20S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 9 .0mm x Len. 20mm, Titanium, Sterile
- BAK-7102.25S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 9 .0mm x Len. 25mm, Titanium, Sterile
- BAK-7102.30S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 9 .0mm x Len. 30mm, Titanium, Sterile
- BAK-7114.20S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 10 .0mm x Len. 20mm, Titanium, Sterile
- BAK-7114.25S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 10 .0mm x Len. 25mm, Titanium, Sterile
- BAK-7114.30S	SOFTFIX Interference screw, cannulated, roundhead, Dia. 10 .0mm x Len. 30mm, Titanium, Sterile



STAYFIX Spiked ligament staples

- The staple fixation system provides a simple means of attaching tissue to bone.
- Low-profile, wide staple base provides better load distribution.
- Spike-post leg design encourages uninterrupted vascular flow to the underlying tissue.
- Sharp leg points for easier penetration into cortical bone.
- Two pronged implant for superior pull out strength.
- Fixation staples are available in two sizes.
- Material –Titanium alloy.

- BAK-7013S - Small - BAK-7015S - Large



TIBIAL POST fixation screws

- Used to securely trap attached sutures and bulky suture knots atraumatically under the low profile head to eliminate soft tissue irritation.
- Available in diameter 6.5mm and lengths 30mm.
- Material –Titanium alloy.

- BAK-7011.30S - Dia.6.5mm, Len.30mm



SUTUREFIX Tibial base plates

- Used for tibial fixation of the ACL and PCL graft.
- Indirect extra-articular fixation of tibial and tibial-end of the graft.
- Available in two versions-round hole and D-hole.
- Material –Titanium alloy.

- BAK-7080S - Round hole - BAK-7081S - D- hole



Low-profile cancellous screws & Spiked washers

- The low-profile screw and washer combination provides 31% to 50% lower profile than competitive versions.
- Low profile cancellous screw and spiked washer set provide continuous strength for soft tissue fixation to bone.
- Low profile head to reduce soft tissue irritation.
- Can be used as a post screw for suture or soft tissue fixation.
- Ideal for ACL, PCL, collateral ligament or posteriolateral reconstruction.
- Unique washer design with spikes on the inferior surface provides excellent fixation of soft tissue to bone.
- Low profile cancellous screws available in diameter 4.0mm and 6.5mm. Spiked washers also available in small and large size accordingly.
- Material –Titanium alloy.

- BAK-7129.30S - Dia.4.0mm, Len.30mm
 - BAK-7129.35S - Dia.4.0mm, Len.35mm
 - BAK-7129.40S - Dia.4.0mm, Len.40mm

- BAK-7006.35S - Dia.6.5mm, Len.35mm
 - BAK-7006.40S - Dia.6.5mm, Len.40mm
 - BAK-7130S - Spiked washer for 4.0mm cancellous screw
 - BAK-7010S - Spiked washer for 6.5mm cancellous screw



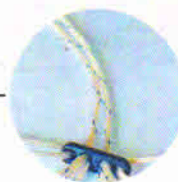
Onbutton

The titanium button is the original endoscopic femoral soft tissue fixation device. It can be used for single incision, soft tissue, or bone-tendon-bone fixation.

- Cat No. BAK-7001

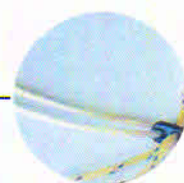
BUTTONFIX

Adjustable Loop Device



Adjustable loop

- Adjustable sutures enables calibrating the loop to its optimum size



Flipping and Pulling Biofiber Suture

- Flipping and pulling suture enables the surgeon to feel the flip perfectly



Two-handed Adjustment

- The surgeon is able to ensure proper reduction and counter tensioning.



Graft Support Frame

A larger surface contact with the graft

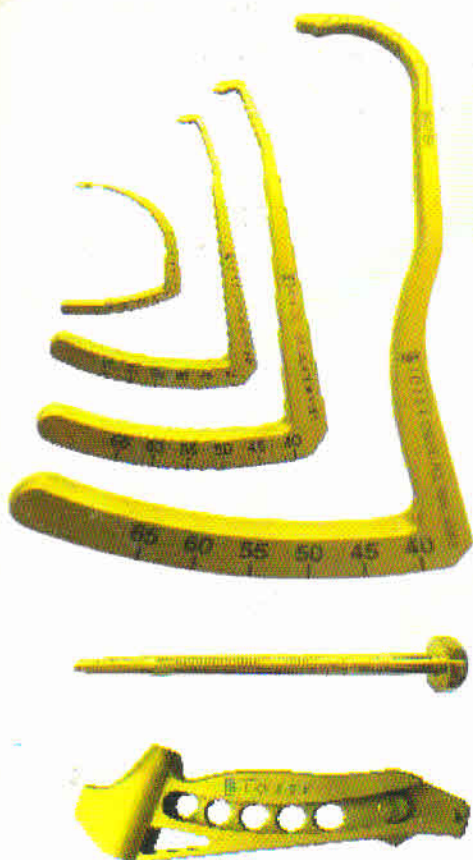
- Protects it from damage
- The thicker support protects the graft from any abrasion.

Ordering Information:

BAK-7195, BUTTONFIX

Fixation Button with Adjustable Loop

INSTRUMENTS



OnLoc Drill guide system

A highly precise drill guide available for cruciate reconstruction-The OnLoc Drill Guide conforms to each patient's anatomy, offering surgeons flexibility, accuracy and control. The OnLoc Drill Guide is compact, for easier handling and added control. It was designed not only to fit comfortably in the surgeon's hand, but to accommodate the full spectrum of knee anatomy.

The key features of the OnLoc Drill Guide are:

- A dovetail arm design.
- An ergonomic guide handle precisely fitted for the surgeon's hand.
- Simple locking mechanism for one-handed operation of the guide.
- Light-weight and compact for added control.
- A bullet for engaging the cortex more consistently and securely.
- A rectangular guide arm cross section that is more rigid than round cross section designs.

OnLoc Drill Guide System Set Components

OnLoc Drill Guide: Our most rigid, accurate guide. Designed for easy, single-handed placement.

OnLoc ACL Elbow Aimer: For drilling to the laser mark at the aimer's elbow; useful when the ACL stump is not removed from the tibia.

OnLoc ACL Tip Aimer: For drilling to the tip of the aimer; useful when the ACL stump is completely removed from the tibia.

OnLoc PCL Tibial Aimer: Rigid design along with calibrated tip results in consistent, accurate guide wire placement; broad face of tip easily passes through notch and provides a means of protecting posterior capsule during guide wire drilling.

OnLoc PCL Femoral Aimer: For outside in drilling with medial incision. Rigid design along with calibrated tip results in consistent, accurate guide wire placement; hoop tip provides a visual reference for the diameter of the fully reamed tunnel, helping avoid tunnel encroachment on the articular surface.

OnLoc Angled Bullet: Tip angle matches the engagement angle of the OnLoc Drill Guide on the tibia for secure placement.

- | | |
|---------------------------------------|---|
| - BAK-7035 - ONLoc Drill Guide | - BAK-7035(e) - ONLoc ACL Tip Aimer |
| - BAK-7035(a) - ONLoc Angled Bullet | - BAK-7035(c) - ONLoc PCL Tibial Aimer |
| - BAK-7035(b) - ONLoc ACL Elbow Aimer | - BAK-7035(d) - ONLoc PCL Femoral Aimer |

* Available in sets only. Individual components not sold separately.



Drill bit passing pins / Graft passing guide pins

The pins are used as guide wires for making the tibial and femoral tunnels in ACL surgeries.

- BAK-7036 - Drill bit passing pin, dia.2.4mm
- BAK-7037 - Graft passing pin (Beadth pin), Drill-tip
- BAK-7116 - Graft passing guide (Beadth pin), Diamond tip



CANNUDRILL Cannulated Tibial Reamers

- Used for drilling bone tunnels in ACL and PCL reconstruction procedures.
- Cannulated for use with a 2.4mm drill tip guide pin.
- Graduated depth marks on three sides for easy identification of bone tunnel depth.
- Available in diameters ranging from 6mm to 12mm.

- | | | |
|----------------------------|----------------------------|------------------------------|
| - BAK-7038.60 - Dia.6.0mm | - BAK-7038.85* - Dia.8.5mm | - BAK-7038.105* - Dia.10.5mm |
| - BAK-7038.65* - Dia.6.5mm | - BAK-7038.90 - Dia.9.0mm | - BAK-7038.11 - Dia.11.0mm |
| - BAK-7038.70 - Dia.7.0mm | - BAK-7038.95* - Dia.9.5mm | - BAK-7038.115* - Dia.11.5mm |
| - BAK-7038.75* - Dia.7.5mm | - BAK-7038.10 - Dia.10.0mm | - BAK-7038.12 - Dia.12.0mm |
| - BAK-7038.80 - Dia.8.0mm | | |

* Available on request.



Endoscopic Reamer for Onbutton CL, cannulated

For making the passing tunnel in ACL surgeries using Onbutton CL and Interference screws.

- BAK-7118 - Endoscopic Reamer for Onbutton CL, cannulated, dia.4.7mm
- BAK-7052 - Cannulated Endoscopic Reamer, dia.4.5mm

FLOWERTIP Cannulated Femoral Reamers



- Suited for an endoscopic ACL technique whereby the femoral tunnel is reamed from inside-out while minimizing the risk of injury to the PCL.
- Drill bit shaft is etched with depth marks on three sides for easy identification of bone tunnel depth.
- Facilitates open femoral tunnel preparation and in-line tunnel reaming for endosteal fixation procedures.
- Head profile permits easy withdrawal from bone tunnels.
- Available in diameters ranging from 6mm to 12mm.

- BAK-7045.60 - Dia.6.0mm	- BAK-7045.85* - Dia.8.5mm	- BAK-7045.105* - Dia.10.5mm
- BAK-7045.65* - Dia.6.5mm	- BAK-7045.90 - Dia.9.0mm	- BAK-7045.11 - Dia.11.0mm
- BAK-7045.70 - Dia.7.0mm	- BAK-7045.95* - Dia.9.5mm	- BAK-7045.115* - Dia.11.5mm
- BAK-7045.75* - Dia.7.5mm	- BAK-7045.10 - Dia.10.0mm	- BAK-7045.12 - Dia.12.0mm
- BAK-7045.80 - Dia.8.0mm		

* Available on request.



Depth Gauges for ACL / PCL reconstruction

Depth Gauge is used to measure the total length of the femoral channel in ACL surgeries.

- Cat No. BAK-7053



SURESHOT Transtibial Femoral Aimer

- Used in ACL reconstruction to create the portal socket in order to place the graft passing pin.
- Available for placing the graft passing pin through transtibial portals.
- Available in sizes 5mm, 6mm and 7mm.

- BAK-7054.05 - 5mm - BAK-7054.06 - 6mm - BAK-7054.07 - 7mm



LOCUS Transportal Femoral Aimer

- Used in ACL reconstruction to create the portal socket in order to place the graft passing pin.
- Available for placing the graft passing pin through transportal or anteromedial portals.
- Available in sizes 5mm, 6mm and 7mm.

- BAK-7055.05 - 5mm - BAK-7055.06 - 6mm - BAK-7055.07 - 7mm



Tunnel Plugs

- Helps to control fluid loss while providing a sealed instrumental portal.
- Made of Polyacetal.
- Available in sizes 7-8mm, 8-9mm and 9-10mm.

- BAK-7056.78 - 7-8 mm - BAK-7056.89 - 8-9 mm - BAK-7056.910 - 9-10 mm



Guide wire for SOFTFIX and SOFTFIX-PK Interference screws

Single use, includes calibration marks to assist in screw placement

- Cat No. BAK-7120 - Dia. 2.0mm, SS
 - Cat No. BAK-7180 - Dia 1.2mm, Nitinol
 - Cat No. BAK-7183 - Dia 2.0mm, Nitinol



Cannulated screwdriver for SOFTFIX interference screws

Cannulated for ease of use with guide wires.

- Cat No. BAK-7063



Cannulated screwdriver for SOFTFIX-PK interference screws

Cannulated for ease of use with guide wires.

- Cat No. BAK-7161

KNEE ARTHROSCOPY



Tunnel Dilators / T-handle for tunnel dilators

- Used to expand tibial and femoral tunnels while compressing the cancellous bone without drilling.
- Tapered ends allow for easy insertion and removal of the dilators from the femoral or tibial tunnel.
- Full radiused depth marks in 5mm increments.
- T-Handle-ergonomic styling allows for an easy grip and manoeuvrability; built in locking quick connector; allows for easy intraoperative changing, as well as minimizing the potential for the units to separate during use.
- Available in diameters ranging from 6mm to 10mm.
- Also available in cannulated versions.

- BAK-7057.06 - 6mm - BAK-7086.06 - 6mm, cannulated - BAK-7062 - T-Handle for Tunnel Dilators
- BAK-7057.07 - 7mm - BAK-7086.07 - 7mm, cannulated
- BAK-7057.08 - 8mm - BAK-7086.08 - 8mm, cannulated
- BAK-7057.09 - 9mm - BAK-7086.09 - 9mm, cannulated
- BAK-7057.10 - 10mm - BAK-7086.10 - 10mm, cannulated



Impactor for STAYFIX spiked ligament staple

Used in ACL reconstruction for impaction of spiked ligament staples.

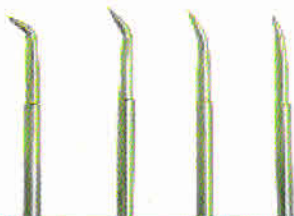
- Cat No. BAK-7064



Arthroscopic Probes

- Ergonomically designed calibrated probe allows the surgeon to accurately quantify pathology.
- Unique handle gives a firm grip and aid in instrument control.
- All straight probes have etched graduations in 5mm increments.
- Probes are limited-reuse and may be disinfected, steam autoclaved or ethylene oxide sterilized.

- Cat No. BAK-7065



Microfracture Awls

- Allow the creation of localized vascular access channels in chondral defects.
- Used for chondral resurfacing.
- Also useful to mark intended drill sites in all ACL/PCL procedures.
- Available in various angles.

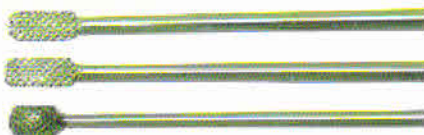
- BAK-7143 - 20° - BAK-7067 - 45°
- BAK-7066 - 30° - BAK-7144 - 60°



Graft Sizing Block

Available in two versions. For sizes 6mm to 12mm(6/7/8/9/10/11/12mm) & sizes 6.5mm to 11.5mm(6.5/7.5/8.5/9.5/10.5/11.5mm).

- BAK-7070 - (6-7-8-9-10-11-12 size dia)
- BAK-7124 - (6.5-7.5-8.5-9.5-10.5-11.5 size dia)



Straight / Convex / Half-round Rasps

- Bone shaping devices especially suited for notchplasties.
- Available in various shapes and sizes. (straight/convex/half-round)

- BAK-7075 Straight Rasp - BAK-7076 Convex Rasp - BAK-7077 Half-round Rasp



Tunnel Notcher

The tunnel notcher removes a pathway of cancellous bone adjacent to the femoral tunnel. This vacant pathway will enhance guide wire placement and facilitate easier screw insertion.

Cat No. BAK-7126

ACL-PCL Reconstruction Knee Arthroscopy



Tunnel Notcher

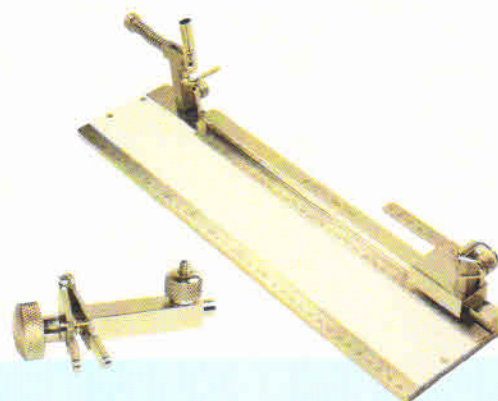
The tunnel notcher removes a pathway of cancellous bone adjacent to the femoral tunnel. This vacant pathway will enhance guide wire placement and facilitate easier screw insertion.

BAK-7126 Tunnel Notcher

Graft Prep Station

This fully modular system plays a key role during ACL and PCL reconstructive surgeries to prepare soft tissue and bone-tendon-bone autografts or allografts like patellar tendon, quadriceps tendon, semi-tendinosus and gracilis tendons. The system allows the surgeon to interchange the various components to clean, whip, stitch, measure, pre-tension or add a fixation device. The sizing block, sold separately, can accommodate grafts from 6 to 12mm increments.

The Tension Clamp helps in pre-tensioning of the graft for those surgeons who feels it is necessary for satisfactory post-op results. The Graft Clamps are designed to act as an extra set of hands and incorporate atraumatic teeth to prevent damage to the graft.



BAK-7069 Graft Prep Station includes Graft Board, Sliding Base, Button Holder with scale, Graft Grasper Clamp-Left & Right and Suture Holder with Tensioner

Tendon Strippers, Closed / Open

- For safe retrieval of semitendinosus and gracilis tendons for ACL and PCL reconstruction procedures.
- Allows for full thickness tendons to be harvested without damage to surrounding soft tissue.
- Closed design allows full, 360° enclosure for the tendon.
- Allows the hamstring tendons to be harvested proximally without detaching them from the tibia.
- The diameter of the stripper is large enough to accommodate the broadest semitendinosus tendon and the tip is sufficiently dull to prevent premature amputation of the graft.
- Available in closed and open versions.
- Available in sizes 6mm, 7mm and 8mm.



BAK-7071.06 Tendon Stripper, Closed End, Dia: 6mm
BAK-7071.07 Tendon Stripper, Closed End, Dia: 7mm
BAK-7071.08 Tendon Stripper, Closed End, Dia: 8mm

BAK-7073.06 Tendon Stripper, Open End, Dia: 6mm
BAK-7073.07 Tendon Stripper, Open End, Dia: 7mm
BAK-7073.08 Tendon Stripper, Open End, Dia: 8mm

Notchplasty curette

Designed specifically to facilitate the removal of soft tissue and bone from the notch during notchplasty.

BAK-7095 Notchplasty Curette



PCL Elevator

- Sharp elevator tip elevates the PCL and periosteum from the bone when used in the fore/aft plane.
- Blunt elevator sides open the posterior compartment when used in a rotational motion.
- Wire capture hole secures the wire while reaming the tibial tunnel, protecting the neurovascular structures from the drill trip as it exists the posterior cortex.



BAK-7083 PCL Elevator



PCL Rasp

Used in PCL reconstruction procedure

BAK-7160 PCL Rasp

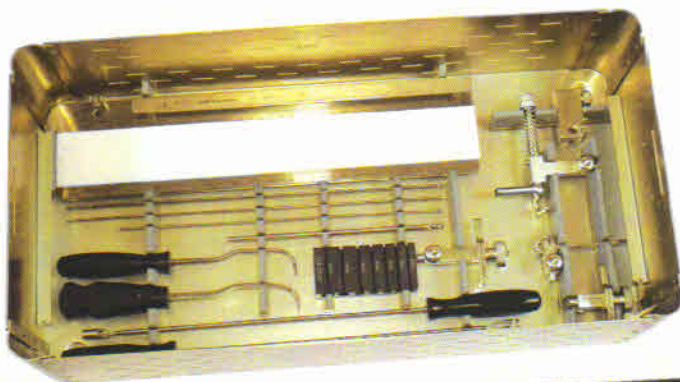
PCL Curette

Designed specifically to facilitate the removal of soft tissue and bone during PCL Reconstruction

BAK-7184 PCL Curette

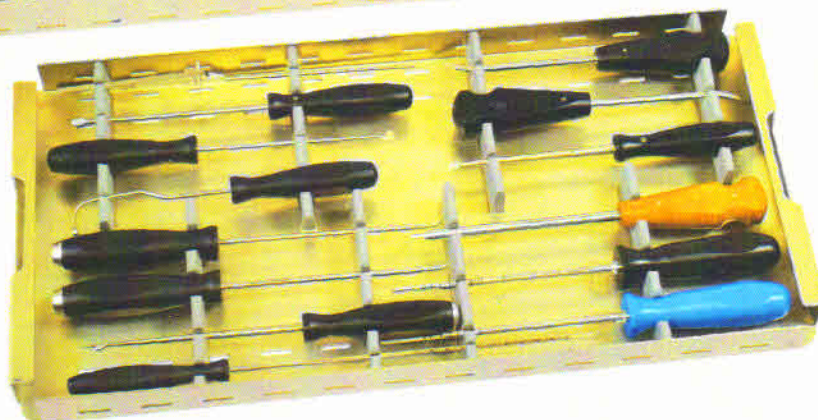


Graphic Case for Knee Arthroscopy Instruments



- 10037 Graphic Case for ACL Reconstruction (Small)
- BAK-7159 Graphic Case for ACL Reconstruction (Large)
- BAK-7079 Graphic Case for ACL-PCL Reconstruction (Small)
- BAK-7145 Graphic Case for ACL-PCL Reconstruction (Large)

*The graphic shown here is of BAK-7145



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